AVAILABLE: Library of Congress

TM/dfh
7-8-59

ZHILO, N. L.

18(0) PHASE I BOOK EXPLOITATION SOV/1728

Akademiya nauk SSSR. Institut metallurgii

Sovremennyye problemy metallurgii (Modern Problems in Metallurgy) Moscow, Izd-vo AN SSSR, 1958. 640 p. 3,000 copies printed.

Resp. Ed.: A.M. Samarin, Corresponding Member, USSR Academy of Sciences; Eds. of Publishing House: V.S. Rzhevnikov, and A.N. Dernov; Tech. Ed.: T.V. Polyakova.

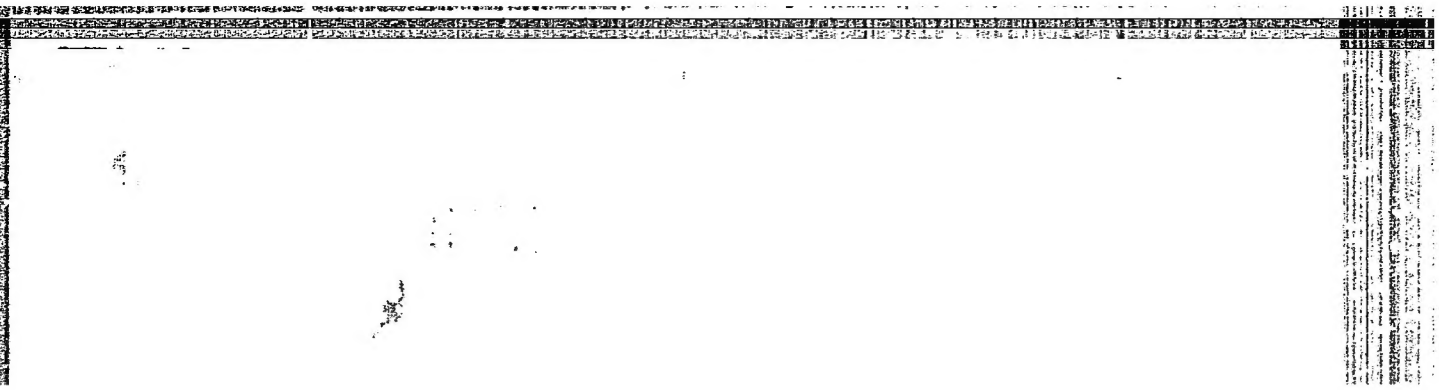
PURPOSE: This book is intended for scientific and technical personnel in the field of metallurgy.

COVERAGE: This is a collection of articles on certain aspects of Soviet metallurgy. The book is dedicated to Academician Ivan Pavlovich Bardin on the occasion of his 75th birthday. The book is divided into seven parts. The first part consists of two articles presenting a brief account of the biography and professional activity of the Soviet metallurgist. It includes an article by John Chipman, Nicholas Grant, and John Elliott (M.I.T., USA) describing their meeting with Bardin in Moscow and also his visit to the United States. The second part consists of three articles and deals with raw materials and fuels for the Soviet metallurgical industry. The third part represents the major portion of the book. It consists of 25 articles dealing with the various aspects of the metallurgy of pig iron and steel. The fourth part consists of two articles treating the metallurgy of nonferrous metals. The fifth part consists of three articles on the forming of metals. The sixth part consists of eight articles discussing certain aspects of physical metallurgy. The last part deals with general problems in the field of metallurgy. References are given after each article. No personalities are mentioned.

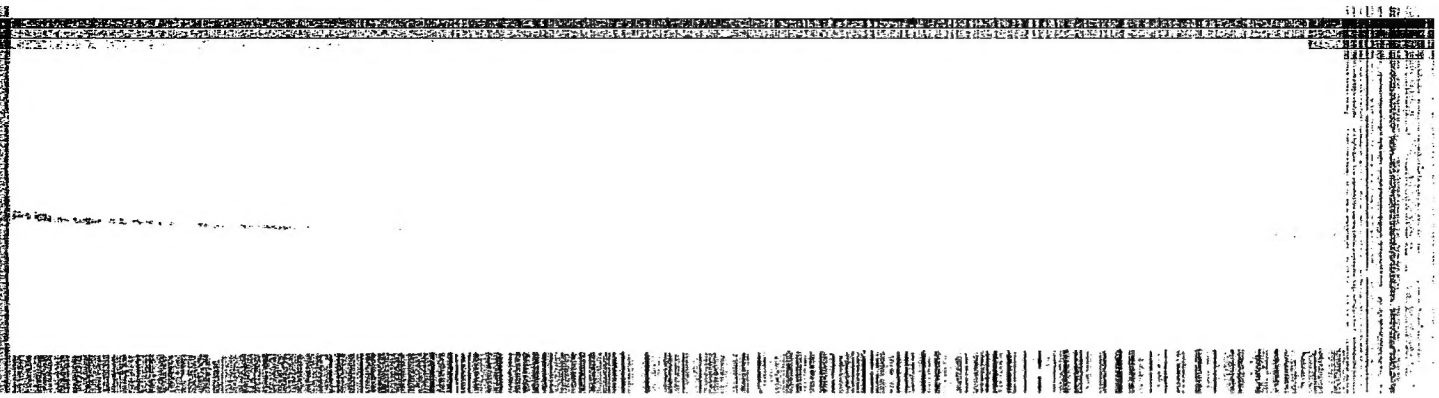
TABLE OF CONTENTS:

Modern Problems in Metallurgy SOV/1728

Card 5/12



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810018-1"



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810018-1"

24-6-7/24

AUTHORS: Zhilo, N. L., Rudneva, A.V. and Sokolov, G.A. (Moscow).

TITLE: A comparison of the physico-chemical properties of primary slags in blast furnaces with their mineralogical composition. (Sopostavleniye fiziko-khimicheskikh svoystv pervichnykh domennykh shlakov s ikh mineralogicheskim sostavom).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk" (Bulletin of the Ac. Sc., Technical Sciences Section), 1957, No.6, pp.37-42 (U.S.S.R.)

ABSTRACT: In this paper data are given on the phase composition and a comparison is made of the real and the specified mineralogical composition of primary blast furnace slags of cast and open hearth pig iron with their physical properties. The aim of the here described investigations was to establish the reason for the differing behaviour of K_2O in acidic and basic slags in blast furnaces. The results of investigation of the viscosity of the studied slags were described in detail in earlier work of these authors "On investigating the viscosity of primary blast furnace slags" (same journal, 1957, No.2, pp.27-35). A comparison of viscosity, temperature of crystallisation, and the phase composition of primary slags in blast furnaces has led to a clarification of the adverse effect of alkalis on the physical properties of basic slags

Card 1/2

A comparison of the physico-chemical properties of primary slags in blast furnaces with their mineralogical composition. (Cont.)

in blast furnaces. The latter is explained by the formation, in the molten slag, of high temperature alkali aluminium silicates having a volume skeleton structure of anion complexes (of the type of $K_2O.Al_2O_3.2SiO_2$). The alkali aluminium silicates and alkali silicates which are formed in acidic slags have lower melting points (750 C for calcium silicates; 1170 C for orthoclase). This explains the decrease in viscosity and temperature of crystallisation when alkalis are added to acidic blast furnace slags. The formation of fusible alkali silicates, dissociating at low temperatures, can explain the decrease in viscosity and temperature of crystallisation of both acidic and basic slags in blast furnaces, in the absence of alumina. The characteristic mineralogical combinations of the real phase state of the slags, in the range which is optimal from the point of view of easy fusibility and high fluidity, indicate that these are near to the eutectic range of the studied multi-component system. There are 7 figures, 1 table and 2 Slavic references.

Card 2/2

SUBMITTED: July 28, 1956.
AVAILABLE:

RUDNEVA, A.V.; ZHILO, N.L.; GUL'TYAY, I.I.; SOKOLOV, G.A.

Viscosity and the mineralogical composition of slags of the system K_2O - CaO - Al_2O_3 - SiO_2 with additions of MnO.
Trudy Inst. met. no.8:11-29 '61. (MIRA 14:10)
(Slag--Analysis)
(Phase rule and equilibrium)
(Viscosimetry)

ZHILO, N.L.; BOL'SHAKOVA, L.I.

Effect of replacing lime by magnesia on the physical properties of blast furnace slags. Izv. vys. ucheb. zav.; chern. met. 7 no.8:25-27 '64. (MIRA 17:9)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.

SULEYMANOV, D.M.; ZHILO, P.V.

On the problem of contemporary movements in the earth's crust in the Caspian Sea region. Dokl. AN Azerb.SSR 10 no.4:271-277 '54.
(MLRA 8:4)

1. Institut geologii im. akad. I.M.Gubkina Akademii nauk Azerbaydzhanskoy SSR. Predstavleno deystvitel'nym chlenom Akademii nauk Azerbaydzhanskoy SSR M.A.Kashkayem.
(Caspian Sea region--Earth movements)

ZHILO, P.V.

Irrigation of the Salyany Steppe [in Azerbaijani with summary in Russian]. Izv. AN Azerb. SSR no.12:117-124 D '57. (MIRA 11:2)
(Salyany Steppe--Irrigation)

SULEYMANOV, D.M.; ZHILO, P.V.

Problem of the formation of the coast line of the western shore of the Caspian Sea within the limits of the Baku Archipelago. Uch.zap. AGU no.3:59-65 '58. (MIRA 12:1)
(Baku region--Shore lines)

V

ZHILO, P.B.

Use of water discharged from the Caspian Sea into the Kara-Bogaz-Gol.
Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.3:115-122 '58.
(MIRA 11:12)

(Caspian Sea)

GYUL', K.K.; ZHILO, P.V.; GUSEYNOV, A.G.

Effect of the Caspian Sea level fluctuations on the shipping in the Azerbaijan S.S.R. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.4:127-133 '59. (MIRA 13:1)
(Caspian Sea--Hydrography)

ZHILO, P.V.

Geographical distribution of principal resources of natural sodium sulfates in the U.S.S.R. and importance of the Caspian sulfate region. Izv.AN Azerb.SSR. Ser.geol.-geog.nauk no.6: 133-141 '59. (MIRA 15:4)

(Sodium sulfates)

ZHILO, P.V.

Names of the Caspian Sea. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.4:93-99 '60. (MIRA 14:1)
(Caspian Sea--Names, Geographical)

ZHILO, P.V.; IZYUMSKIY, O.A.; KOSAREV, A.N.

Ways of developing the natural resources of the eastern shore of the Caspian Sea. Geog. i khoz, no.9:38-40 '61. (MIRA 14:11)
(Caspian Sea region--Natural resources)

ZHILO, P.V.

On the problem of the optimum level of the Caspian Sea.
Vop. geog. no.57:84-88 '62. (MIRA 15:10)
(Caspian Sea)

ZHILO, P.V.

Effect of the lowering level of the Caspian Sea on the economy of the Azerbaijan S.S.R. Trudy Okean. kom. 5:340-345 '59.
(MIRA 13:6)

(Caspian Sea--Hydrography) (Azerbaijan--Industries)

SAKHAROV, M.D.; ZHILONOV, V.G.

Mechanization and automation of production processes in th woodworking enterprises. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.2:50-53 '64.
(MIRA 17:6)

SAKHAROV, M.D.; ZHILONOV, V.G.

Use of synthetic materials in the woodworking industry. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.8: 66-69 Ag '64. (MIRA 17:11)

ZHILOV, D.S. with Fedotov

Lab of the Physiology of Digestion of Farm Animals, All-U Inst Animal Husbandry im. Lenin

Secretory activity of the submaxillary glands of horses.

So: Fiziologicheskiy Zhurnal Vol 27, No 1, 1939

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILOV, G.M., inzh.; LYADSKIY, N.K., inzh.; YUDOVICH, Ye.Ye., inzh.

Electrical engineering problems in the manufacture of calcium carbide. Elektrotekhnika 34 no.12:6-9 D '63. (MIRA 17:1)

DANTSIS, Ya.B., kand.tekhn.nauk (Leningrad); ZHILOV, G.M., inzh. (Leningrad)

Diagram for connecting a short network of an electric furnace system to a delta at the electrodes. Elektrichestvo no.9:20-23 S '62. (MIRA 15:9)
(Electric furnaces) (Electric networks)

BREYDO, A.I.; ZHILOV, G.M.

Experience with automatic operation of automatic block system feeding points. Avtom., telem. i sviaz' no.12:22-25 D '57. (MIRA 10:12)

1. Zamestitel' nachal'nika Leningrad-Vitebskoy distantsii signalizatsii i svyazi Oktyabr'skoy dorogi (for Breydo). 2. Starshiy inzhener Dorproyekta (for Zhilov).

(Railroads--Signaling--Block system)

DANTSIS, Ya.B.; ZHILOV, G.M.

Control of the operation of electric furnaces. Prom. energ. 15 no.9:35-36 S '60. (MIRA 13:10)
(Electric transformers) (Electric furnaces)

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILOV, G.M.; KUNKS, E.I., inzh.

Current distribution in the flexible conductors of large ore-smelting furnaces. Vest.elektroprom. 32 no.2:58-64 F '61. (MIRA 15:5)

(Electric furnaces)

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILOV, G.M.

Equalizing of the phase currents of ore smelting furnaces.
Prom.energ. 17 no.10:29-32 O '62. (MIRA 15:9)
(Electric furnaces)

ZHILOV, G.M., inzh.; PARSHINA, G.A., inzh.; RAKHMANOV, Ye.K., inzh.; TUROV, Yu.Ya., kand. ekonom. nauk

Use of longitudinal-capacitive compensation in ore smelt furnaces. Prom. energ. 19 no.8:33-37 Ag '64.
(MIRA 17:11)

ZHILOV, I.I., master (g. Donetsk)

Defects of gas relays. Energetik 14 no.1:35-36 Ja '66.
(MIRA 19:1)

YELISEYEV, Vladimir Fedorovich; ZHILOV, Ivan Ivanovich; KATAYEV, Afanasiy Filippovich; PELEVINA, Irina Osipovna; SHUGAN, Viktor Ustinovich, kand. ekon. nauk, dots., red.; BILENKO, L.S., red. izd-va; SOTNIKOVA, N.F., tekhn. red.

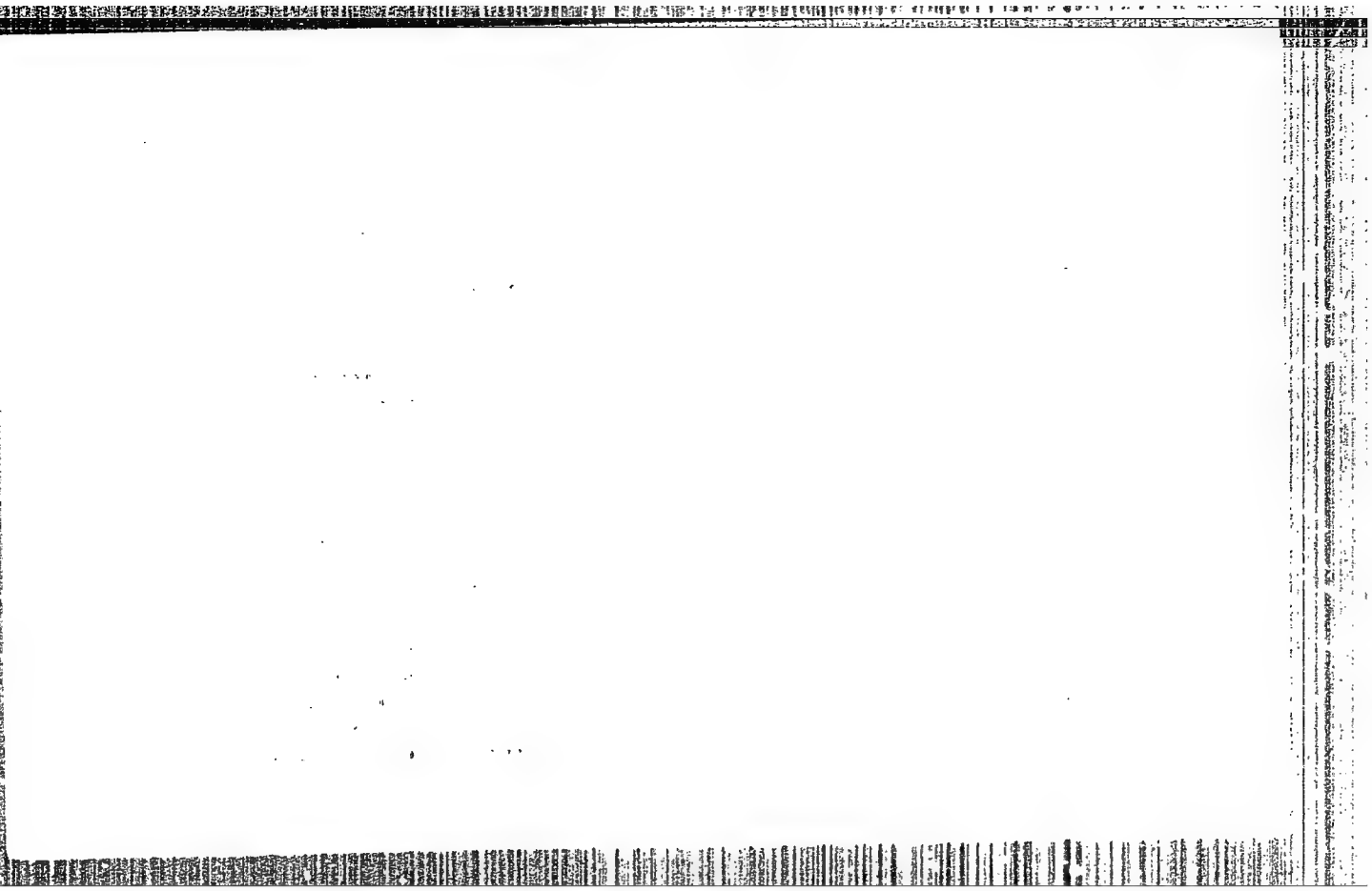
[The economics and planning of Soviet cooperative trade]Ekonomika i planirovanie sovetskoi kooperativnoi torgovli. [By]V.F.Eliseev i dr. Moskva, Izd-vo TSentrosoiuza, 1962. 354 p. (MIRA 16:3)
(Cooperative societies)

LEBEDEV, Nikolay Nikolayevich; FRIDMAN, Abel' Mendelevich; ZHILOV, I.I., red.; LIFEROVA, A.I., red. izd-va; KOZLENKOVA, Ye.I., tekhn. red.

[Collection of problems on the economics and planning of the Soviet cooperative trade] Zadachnik po ekonomike i planirovaniiu sovetskoi kooperativnoi torgovli. Moskva, Izd-vo Tsentrosoiuza, 1962. 190 p. (MIRA 15:9)
(Retail trade)

TSYGANKOV, G.M., prof.; ZHILOV, M.S.; EYDINOV, Ya.B., kand.med. nauk
(Leningrad)

Results of the prevention of a myocardiac infarct and thrombo-embolic diseases in Leningrad. Klin. med. 40 no.11:44-51 N'62
(MIRA 16:12)



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810018-1"

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810018-1"

ZHILOV, N.V.

Apparatus for ether anesthetization. Vest.khir.Grekova 70 no.5: 52-53 1950. (CLML 20:5)

1. Of the Surgical Division of Nyandoma Railroad Hospital, Arkhangel'skaya Oblast'.

ZHILOV, N.V.

Benign tumors of the round ligament of the uterus. Akush.i gin. no.1: 68-69 Ja-F '54. (MLRA 7:6)

1. Iz khirurgicheskogo otdeleniya (nachal'nik N.V.Zhilov) zheleznodorozhnoy bol'nitsy st. Karaganda-Sortirovochnaya.
(Uterus--Tumors)

ZHILOV, N.V. (Agadyr, Karagandinskoy zhel.dor., d.6)

Spatula with spoon at top and bottom for opening and suturing the peritoneum and for protection of the intestines. Vest. khir. 80 no.2:125 F '58. (MIRA 11:3)

1. Iz akushersko-ginekologicheskogo otdeleniya (zav.-N.V.Zhilov) Agadyrskoy zheleznodorozhnoy bol'nitsy.

(ABDOMEN, surg.
laparotomy, spatula with spoon at top & bottom for opening & suturing peritoneum & protection of intestines (Rus)

ZHILOV, S.

Production of dried milk consisting of solid particles. Moloch. prom. 17 no.6:36-37 '56. (MLRA 9:10)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti.

(Milk, Dried)

ZHILOV, S.N., dotsent, kand.tekhn.nauk

Deformation of solution particles in spray drying. Trudy LTIKHP 13:107-113 '57. (MIRA 13:6)

1. Kafedra promyshlennoy teplotekhniki Leningradskogo tekhnologicheskogo instituta khologil'noy promyshlennosti.
(Milk, Dried)

ZHILOV, S. N.

"Investigating the Air Drying of Milk Droplets as Applied to a Study of the Spray Drying of Milk." Cand Tech Sci, Leningrad Technological Inst of the Refrigeration Industry, Leningrad, 1954. (RZhKhim, No 23, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KRUPIN, G.V.; BELYAYEV, I.T.; LAPSHIN, A.A.; GORDEYEV, N.I.; MAR'YANOVSKIY, I.M.; PAVLOV, B.V.; ZHILOV, S.N.; TSYPKIN, S.I.; ANDREYEV, N.N.; KAZIMOROVA, V.F.; KURANOVA, I.L.; PIGULEVSKIY, G.V.

Annotations of the scientific research work performed at the institute in 1957. Trudy LTIKHP 15:213-227 '58.
(MIRA 13:4)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti. 2. Kafedra tekhnologicheskogo oborudovaniya pishchevykh proizvodstv (for Krupin, Lapshin, Pavlov). 3. Kafedra ekonomiki i organizatsii proizvodstva (for Belyayev). 4. Kafedra detaley mashin i pod"yemno-transportnykh mashin (for Gordeyev). 5. Kafedra grafiki (for Mar'yanovskiy). 6. Kafedra promyshlannoy teplotekhniki (for Zhilov). 7. Kafedra fiziki (for TSypkin). 8. Kafedra fizicheskoy kolloidnoy i organicheskoy khimii (for Andreyev, Kazimirova, Kuranova, Pigulevskiy).
(Refrigeration and refrigerating machinery)
(Chemistry, Technical)

ZHILOV, Ye.N.

AUTHOR: POTKOV,L.L. PA - 2503

TITLE: Scientific Meetings and Conferences. (Nauchnye sessii konferentsii soveshchaniya, Russian)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 2, pp 102 - 106 (U.S.S.R.)

Received: 5 / 1957 Reviewed: 6 / 1957

ABSTRACT: From October 29th to 31th a conference was held in Kiev of the Scientific Council of the Department for Chemistry of the Academy of Science of the U.S.S.R., of the Department for Chemical and Geological Sciences of the Academy of Science of the Ukrainian SSR and the Kiev Department of the Soviet Chemical Society on problems of stereochemistry of chemical reactions.

A.A.Nesmeyanov read a paper on his own behalf as well as on the behalf of A.E.Borisov on the stereochemistry of olefinic hydrocarbon compounds. The paper contained the results of investigations of stereometric and metalorganic compounds of the ethylene series. These investigations enabled the authors to deduce a law, according to which homolytic replacements of olefinic carbon atoms occur in such a way, that the geometrical configuration remains unchanged.

This theorem was examined on the basis of the organic compounds of Sb, Li, Tl, On this occasion the investigation considered not only compounds originating from the active force of non-metallic halides, for example $HgCl_2SbCl_5$, but also acetous metal compounds.

Card 1/3

The reviewer checked the work of the American authors I.Braude, Dreiding, Kurtin, Jonson, Steiner. The discussion group (E.A. Zhilov, M.I.Kabachnik) emphazised the importance of the theorem on the perseveration of the configuration in olefines in the case of atomic changes or changes of atom groups respectively, if double combination is considered.

The reviewer Zhilov made a report on the mechanism of the Cis-compound. He underlined that markedly polar reactions occur as a condition for the formation of Cis-compounds.

M.I.Kabachnik read a paper on the tautomeric properties of cis- and trans-states on his own behalf and on the behalf of S.T.Joffe and K.V.Vatsuro. Investigations of the dependence of the constants of the tautomeric equilibrium of ketoenoles showed, that these ketoenoles form cis-enoles. It was determined that the enolisation of trans fixed enoles is independent of the nature of the solvent. Their enolisation corresponds to the general formula. With the help of these ascertainments, the contents of the two stereometric forms in the solution can be calculated.

E.A.Zhilov pointed to the fact that on the occasion of studying the stereochemistry of the acethylene compounds the fact must be considered, that acethylene in its active state either constitutes a trans-state or in the case of greater efficiency a cis-state,

which circumstance causes the formation of different ethylene branches.
Investigations in the field of cinetics (M.B.Neumann) and stereochemistry may be very helpful in the utilisation of high pressures.
The formation of trans-compounds was discussed by L.D.Bergelson, who maintained, that their formation is explained primarily by the geometry of molecules, not by the character of the reaction, as was imagined by E.A.Zhilov.
A.P.Terentiev reported on the problem of absolute asymmetric synthesis. During 1929 - 1930 optical active substances were obtained with the help of circular polarized light from the reactions of bromide and propionic acid.
Moreover, numerous other lectures were held, which cannot be dealt with in detail here.

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress.

Card 3/3

TIMOKHIN, D.I.; ZHILOV, Yu.D.

Labor hygiene problems in connection with new removal and tunneling machinery in mines of the Moscow Coal Basin. Uch.zap.Mosk.nauch.-issl.inst.san.i gig.no.8:16-21'61. (MIRA 16:7)

(MINING MACHINERY--HYGIENIC ASPECTS) (MOSCOW BASIN--COAL MINES AND MINING)

ZHILOV, Yu.D.

Once more concerning the effective (normalized) units. Vop.kur., fizioter.i lech.fiz.kul't. 28 no.1:82-84 '63. (MIRA 16:4)

1. Iz Moskovskogo instituta sanitarii i gigiyeny imeni F.F. Erismana (dir. A.P.Shitskova).
(ULTRAVIOLET RAYS--THERAPEUTIC USE)

ZHILOV, Yu.D., mladshiy nauchnyy sotrudnik

Filter of uviol glass for the mercury-quartz lamp. Gig.i san. 25 no.2:94 F '60. (MIRA 13:6)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.

(ULTRAVIOLET RAYS)

ZHILOV, Yu. D., Candidate Med Sci (diss) -- "On the simultaneous use of ultraviolet and infrared radiation for health purposes". Moscow, 1959. 19 pp (Acad Med Sci USSR), 200 copies (KL, No 23, 1959, 171)

ZHILOV, Yu.D., kand.med.nauk

More about ultraviolet clinics. Svetotekhnika 6 no. 12:20-21 D '60. (MIRA 14:1)

1. Moskovskiy institut gigiyeny im. F.F. Erismana.
(Ultraviolet rays--Therapeutic use)

ZHILOV, Yu.D., kand.med.nauk

Change in the phagocytic activity of leucocytes in the blood of miners exposed to radiations of erythema-dose ultraviolet lamps. Gig.i san. 26 no.11:94-96 N '61. (MIRA 14:11)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.
(LEUCOCYTES) (ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT)
(PHAGOCYTOSIS)

ZHILOV, Yu.D. (Moskva)

Some results of the irradiation of miners with erythemadose lamps in phototherapeutic clinics. Gig. truda i prof. zab. 6 no.5:43-46 My '62. (MIRA 16:8)

1. Moskovskiy institut gigiyeny imeni F.F.Erismana.
(MINERS—DISEASES AND HYGIENE)
(ULTRAVIOLET RAYS—THERAPEUTIC USE)

ZHILOV, Yu.D.

Joint irradiation with ultraviolet and infrared rays. Vop. kur., fizioter. i lech. fiz. kul't. 27 no.4:363-365 Jl-Ag'62 (MIRA 19:11)

1. Iz Instituta gigiyeny detey i podrostkov AMN SSSR.

*

GUR'YEVA, Ye.P.; ZHILOVA, G.P.; KUZNETSOVA, E.Ye.; VASILEVSKAYA, N.I.; BOKHNEVICH, G.M.

Methodology for preparing tissue cultures for the laboratory diagnosis of poliomyelitis. Trudy Len. inst. epid. i mikrobiol 26:213-225 '64. (MIRA 18:12)

KANTOROVICH, R.A.; KURNOSOVA, L.M.; ZHILOVA, G.P.

Study of the immunological structure of the population of Leningrad in relation to the poliomyelitis viruses. Trudy Len.inst. epid.i mikrobiol. 19:131-140 '59. (MIRA 16:2)

1. Iz laboratorii poliomiyelita (rukovoditel' Kh.S. Kotlyarova) Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera i otdela virusologii Instituta epidemiologii i mikrobiologii AMN SSSR (rukovoditel' - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev).
(IMMUNOLOGY) (LENINGRAD--POLIOMYELITIS VIRUSES)

SMORODINTSEV, A.A.; DROBYSHEVSKAYA, A.I.; BULYCHEV, N.P.; VASIL'YEV, K.G.; VOTYAKOV, V.I.; GROYSMAN, G.M.; ZHILOVA, G.P.; IL'YENKO, V.I.; KANTOROVICH, R.A.; KURNOSOVA, L.M.; CHALKINA, O.M.

Material on the immunological and epidemiological effectiveness of live poliomyelitis vaccine. Vest. AMN SSSR 15 no.6:45-58 '60. (MIRA 14:4)

1. Otdel virusologii Instituta eksperimental'noy meditsiny AMN SSSR.
(POLIOMYELITIS)

ДИЛОВА Г.П.

RUMANIA

JILOVA, Galina Pavlovna of the Institute of Experimental Medicine (Institutul de Medicina Experimentala), Leningrad.

"Immunological Changes in the Blood of Children Inoculated with Live Polio Vaccine According to Various Immunization Patterns."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 5, 1963, pp 565-575.

Abstract [Author's English summary modified]: A study based on 5965 seroneutralization reactions with the aid of the Salk color test showed that the live vaccine possesses a high efficiency regardless of the immunization pattern, as long as all the vaccinating strains are inoculated repeatedly.

Includes 5 graphs and 2 tables.

ZHILOVA, G. P.

Immunological and Epidemiological Effectiveness of Live Poliomyelitis Vaccine in the USSR*

A. A. SMORODINTSEV, A. I. BROSTREVSKAYA, N. P. BULYCHEV
O. M. CHALKINA, O. M. GEORGIAN, V. I. ILYENKO, E. A. KANTOROVICH
L. M. KUTNOVA, E. G. VASILYEV, V. I. VOITYAKOV & G. P. ZHILOVA

Bulletin of the World Health Organization, Vol. 23, No. 6, 1960.

*From the First Department, Inst. of Experimental Medicine, USSR Acad. Med. Sci.

KANTOROVICH, R.A.; BGANTSEVA, I.V.; ZHILOVA, G.P.; KUZNETSOVA, R.I.; OSTROVSKIY, G.D.; RABY, Ye.A.

Comparative study of the epidemiological effectiveness of the inoculation with live and killed poliovirus vaccines. (1959-1960). Trudy Len. inst. epid. i mikrobiol 26:70-82 '64. (MIRA 18:12)

1. Iz laboratorii poliomiyelita instituta imeni Pastera, otdela virusologii Instituta eksperimental'noy meditsiny AMN SSSR i sanitarno-epidemiologicheskikh stantsiy Pskovskoy, Novgorodskoy i Leningradskoy oblastey.

ZHILOVA, G.P.; KANTOROVICH, R.A.

Immunological effectiveness of the vaccination of the child population of Novgorod Province with live poliovirus vaccine. Trudy Len. inst. epid. i mikrobiol 26:83-95 '64.

(MIRA 18:12)

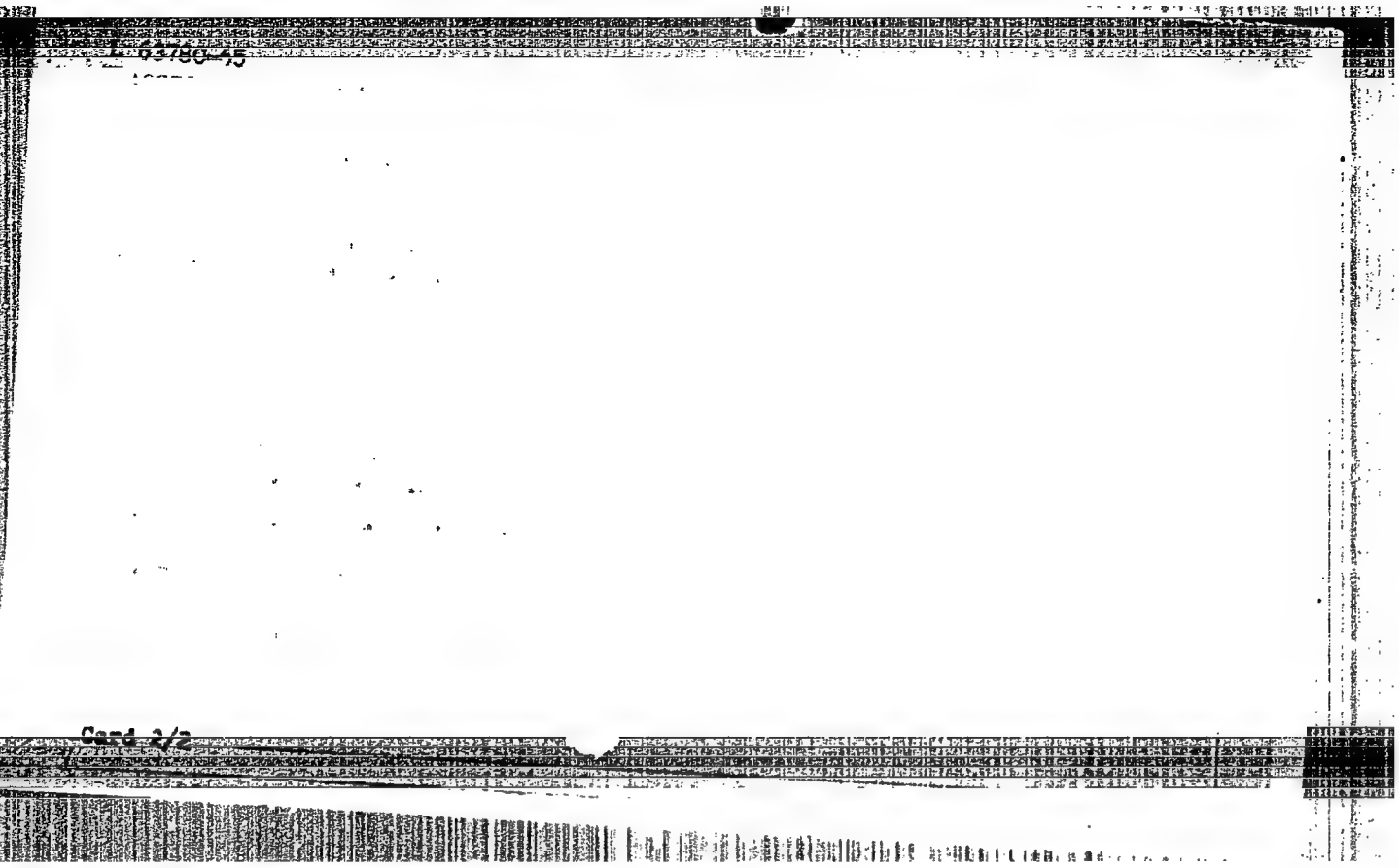
1. Iz otdela virusologii Instituta eksperimental'noy meditsiny AMN SSSR i laboratorii poliomiyelita Leningradskogo instituta imeni Pastera.

KORNILOV, D.M.; HLANKA, G.Ya., red.; ZHILOVA, I.I., red.; NOTKINA, V.Ye., red.; MARTSEVICH, Yu., red.izd-va

[The economics and planning of Soviet cooperative trade]Ekonomika i planirovanie sovetskoi kooperativnoi torgovli; al'bom nagliadnykh posobii. Moskva, Izd-vo TSentrosoiuza, 1961. 1 p. 82 l. (MIRA 16:1)

(Cooperative societies--Audio-visual aids)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810018-1"



ZHILOVA, N.A.; KASPAROV, A.A.

Toxicity of the "A-vulkalent" (N-nitrosodiphenylamine). Kauch.i rez. 22 no.1:27-28 Ja '63. (MIRA 16:6)

1. Kafedra gigiyeny truda I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.
(Diphenylamine--Toxicology)
(Rubber industry workers--Diseases and hygiene)

VOROB'YEVA, R.S.; ZHILOVA, N.A.; KASPAROV, A.A.; MEZENTSEVA, N.V.

Comparing the toxicity of mercaptobenzimidazole and N-phenyl-N-isopropylparaphenylenamine. Kauch.i rez. 22 no.2:18-19 F '63. (MIRA 16:2)

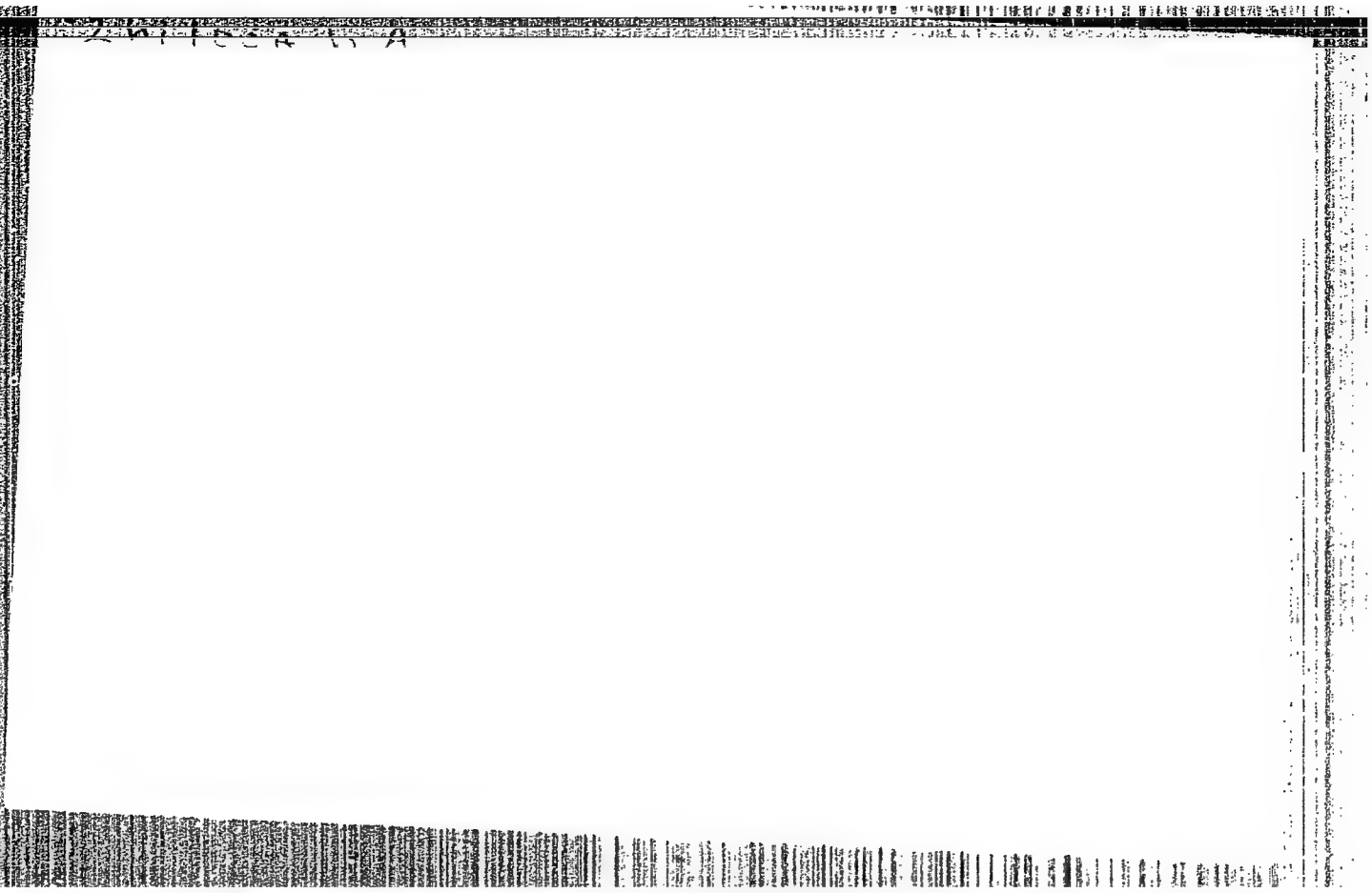
1. Kafedra gigiyeny truda 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(BENZIMIDAZOLETHIOL—TOXICOLOGY) (PHENYLENEDIAMINE—TOXICOLOGY)
(RUBBER INDUSTRY WORKERS—DISEASES AND HYGIENE)

ZHILOVA, N.A.

Problem of the simultaneous action of benzene and acetone vapors on the organism. Gig. i san. 24 no.12:18-23 D '59. (MIRA 13:4)

1. Iz kafedry obshchey gigiyeny I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(BENZENE toxicol.)
(ACETONE toxicol.)

ZHILOVA, N. A., Cand Med Sci -- (diss) "Problem of the combined action of benzene and acetone vapors on the organism." Moscow, 1960. 11 pp; copies; price not given; (KL, 17-60, 168)



KUL'CHITSKIY, Ya.O. [Kul'chyts'kyi, IA.O.]; ZHILOVSKIY, N.I. [Zhylovs'kyi, M.I.]; DABAGYAN, N.V. [Dabahian, N.V.]; MAKSIMOV, A.V. [Maksimov, O.V.]; KHLOPONIN, K.L.

Stratigraphy of Paleocene and Eocene eastern Carpathian Mountains[with summary in English]. Dop. AN URSR no.3:310-314 '58. (MIRA 11:5)

1.Ukrains'kiy viddil Vsesoyuznogo naukovo-doslidnogo geologo-rozviduval'nogo naftovogo institutu. Predstavleno akademikom AN USSR O.S. Vyalovym.
(Carpathian Mountains--Geology, Stratigraphic)

CHERNYAK, N.I.; STOLYAR, L.N.; ZHILOVSKIY, N.I.

Materials on the stratigraphy and lithology of Paleogene deposits in the central synclinal zone of the Carpathians. Trudy VNIGNI no.12: 61-68 '58. (MIRA 12:3)
(Tereblya Valley--Geology, Stratigraphic)

DABAGYAN, N.V.; ZHILOVSKIY, N.I.; KRUGLOV, S.S.

Microfauna and the stratigraphic position of the Shipot and Yalovetsk series of the Eastern Carpathians. Trudy UkrNIGRI no.5:106-124 '63.

(MIRA 18:3)

ZOTIN, M.I., st. nauchn. sotr.; SEREBRYAKOV, A.V., mlad. naucnn. sotr.; ALPATOVA, T.A., mlad. nauchn. sotr.; SEZEMAN, N.A., mlad. nauchn. sotr.; KRIVONOGOV, M.S.; ZHILOY, M.; PREBYSHEVSKAYA, M.M.; SEDELKOV, V.A., inzh.; MINENKO, V.M., red.

[Hydrology of the estuary region of the Northern Dvina] Gidrologiia ust'evoi oblasti Severnoi Dviny. Moskva, Gidrometeoizdat, 1965. 375 p. (MIRA 18:8)

1. Moscow. Gosudarstvennyy okeanograficheskiy institut. 2. Gosudarstvennyy okeanograficheskiy institut, Moskva (for Zotin, Serebryakov, Alpatova, Sezeman). 3. Nachal'nik gidrokhimicheskoy laboratorii Severnogo upravleniya gidrometeorologicheskoy sluzhby (for Prebyshevskaya). 4. Nachal'nik Severo-Dvinskoy ust'yevoy stantsii (for Krivonogov). 5. Severo-Dvinskaya ust'yevaya stantsiya (for Sedelkov).

NIKOLAYEV, V.P.; ZHIL'TSOV, A.A.; KAZANSKIY, Yu.A.

Polar radiance meter. Trudy Inst. okean. 74:55-61 '65.
(MIRA 18:12)

ZHIL'TSOV, A.A.; KARPMAN, M.I.

Over-all mechanization of the piling of bark. Kozh. obuv. prom. 5 no.7:12-14 Jl '63. (MIRA 16:8)

(Tanning materials) (Materials handling)

L 36072-66 EWT(d)/FSS-2/EWT(l) GW

ACC NR: AT6017054 (N) SOURCE CODE: UR/2566/65/074/000/0082/0084

AUTHOR: Zhil'tsov, A. A.; Nikolayev, V. P.

27
B+1

ORG: none

TITLE: Underwater voice communication system

SOURCE: AN SSSR. Institut okeanologii. Trudy, v. 74, 1965. Elektronnyye pribory dlya okeanologicheskikh issledovaniy (Electronic instruments for oceanological research), 82-84

17

TOPIC TAGS: underwater communication, wire communication

ABSTRACT: A wire communication system for voice underwater-surface, surface-underwater communication with divers is described. The system consists of two loudspeakers and a low power, low frequency transistorized amplifier. The diver receives communications from the surface through the loudspeaker and uses the loudspeaker as a microphone for communicating with the surface. The diver can receive and send voice messages when he is within 10 m of the loudspeaker. The comprehensibility of the diver's messages to the surface is diminished by the fact that he must talk through his breathing mouthpiece. The submerged loudspeaker is protected against water pressure by an enclosure filled with castor oil, which reduces the sensitivity of the speaker. The speaker is connected by cable to the amplifier which is located on the surface. The authors sug-

Card 1/2

L 36072-66

ACC NR: AT6017054

gest that a new kind of mouthpiece be developed so as to improve underwater-surface communication and communication among divers working below the surface. Orig. art. has: 3 figures.

SUB CODE: 17,09/ SUBM DATE: none

Card 2/2 vmb

ZHIL'TSOV, A.G.

Geology and petrography of hybrid rocks in the Kenkol pluton.
Trudy Inst. geol. AN Kir. SSR no.10:25-34 '58.
(MIRA 12:9)

(Kirghiz Range--Rocks, Igneous)

ZHIL'TSOV, A.G.

Development of crustal cores as revealed by the studies in the western part of the Kirghiz Range. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 4 no.3:37-39 '62. (MIRA 15:11)
(Kirghiz Range--Earth--Surface)

ZHIL'TSOV, A.G.; TUROVSKIY, S.D.

Accessory minerals in rocks of Kenkol pluton. Zap. Kir. otd. Vses. min. ob-va no.3:39-47 '62.

(MIRA 17:11)

ZHIL'TSOV, A.G.; SHCHELKOV, Ye.Ye.; BONDARENKO, G.F.

Some accessory elements in the Kenkol intrusive complex.
Zap. Kir. otd. Vses. min. ob-va no.3:49-58 '62.
(MIRA 17:11)

ZHIL'TSOV, A.G.

Erosion level and depth of formation of the Kenkol intrusion.
Iz. AN Kir. SSR. Ser. est. i tekh. nauk 3 no.4:97-103 '61.
(MIRA 14:12)

(Kenkol region--Rocks, Igneous)

ZHIL'TSOV, A.G.

Petrography and certain geological features of granites and formations of the Kenkol intrusive. Izv. AN Kir. SSR. Ser. est. i tekh.nauk 2 no.9:57-74 '60. (MIRA 14:7)
(Kirghizistan—Petrology)

ZHIL'TSOV, A., polkovnik

Battery in a meeting engagement. Voen. vest. 42 no.3:63-65 Mr '63. (MIRA 17:1)

ZH14-Tsov, A.I.

14(10); 3(5) PHASE I BOOK EXPLOITATION SOV/2843

Soveshchaniye po natsional'nym osobennostyam fundamentostroyeniya na vechnomerzlykh gruntakh

Trudy... (Transactions of the Conference on Efficient Methods of Building Foundations on Permafrost Soils) Moscow, Gosstroyizdat, 1959. 131 p. Errata slip inserted. 1,200 copies printed.

Ed. of Publishing House: N. M. Borshchevskaya; Tech. Ed.: Yu. L. Tsukina.

PURPOSE: This book is intended for construction engineers, industrial planners and builders.

COVERAGE: This book contains reports originally read in Yakutsk in 1958 on experience gained in planning and building foundations in permafrost regions of the USSR. The reports were prepared for publication in the NIIOSP (Scientific Research Institute for the Study of Foundations and Underground Structures). The introduction was written by Professor V. O. Kilychev. No references are given.

Bakanin, V. F. Construction Conditions and the Exploitation of Mining Enterprises in the Pechora Coal Basin 47

Zaliznov, A. V. Construction of Industrial Plants on Permanently Frozen Ground With Subsequent Settling 56

Martin, K. P. Designing Pile Foundations Under Permafrost Conditions 58

Poholinnyy, A. M. Special Characteristics of Foundation Building in the City of Igarka 64

Bakulev, I. A., and V. M. Todoliarchuk. Methods of Restoring the Deformed Principal Buildings in Yakutsk 67

Ignatov, F. Ye. Analysis of Work and Computing the Reinforced Concrete Frame Foundations and Frame Works, Taking Into Account Uneven Setting of the Bearing Ground 75

Igorev, V. N., and V. M. Sokolova. New Data on Frost Heaving of Foundations 100

Shchelokov, V. K. Decreasing the Depth of Foundation Laying by Keeping the Ground in a Frozen State 109

Frantsuzov, I. I. Frost Heaving of Ground and Foundations (discussion) 113

Chakcilla, A. K. Non-Soviet Experience in Building Foundations on Permanently Frozen Ground 119

Sandmayer, O. V. Maximum Thawing of Permanently Frozen Ground Under Heated Buildings (Two-dimensional Solution) 124

Berlin, I. N. Settling of the Foundations of Industrial Structures of the Yerkutaugol' Combine 127

AVAILABLE: Library of Congress

Card 4/4

MM/mas
2-18-60

ZHIL'TSOV, B. A.

Making cylindrical structures from welded sheets. Avtom. svar. 16 no.3:73-75 Mr '63. (MIRA 16:4)

1. Stavropol'skiy-na-Volge zavod oborudovaniya tsementnoy promyshlennosti i tyazhelogo mashinostroyeniya.

(Sheet steel—Welding)
(Cylinders—Welding)

ZHIL'TSOV, Dmitriy Petrovich; CHERNENKO, G.A., red.; MEMESHKINA, L.I., tekhn. red.

[Organization of the administration of socialist enterprises] Kak organizovano upravlenie sotsialisticheskimi predpriiatiiami. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1961. 29 p. (MIRA 15:11)

(Industrial organization)

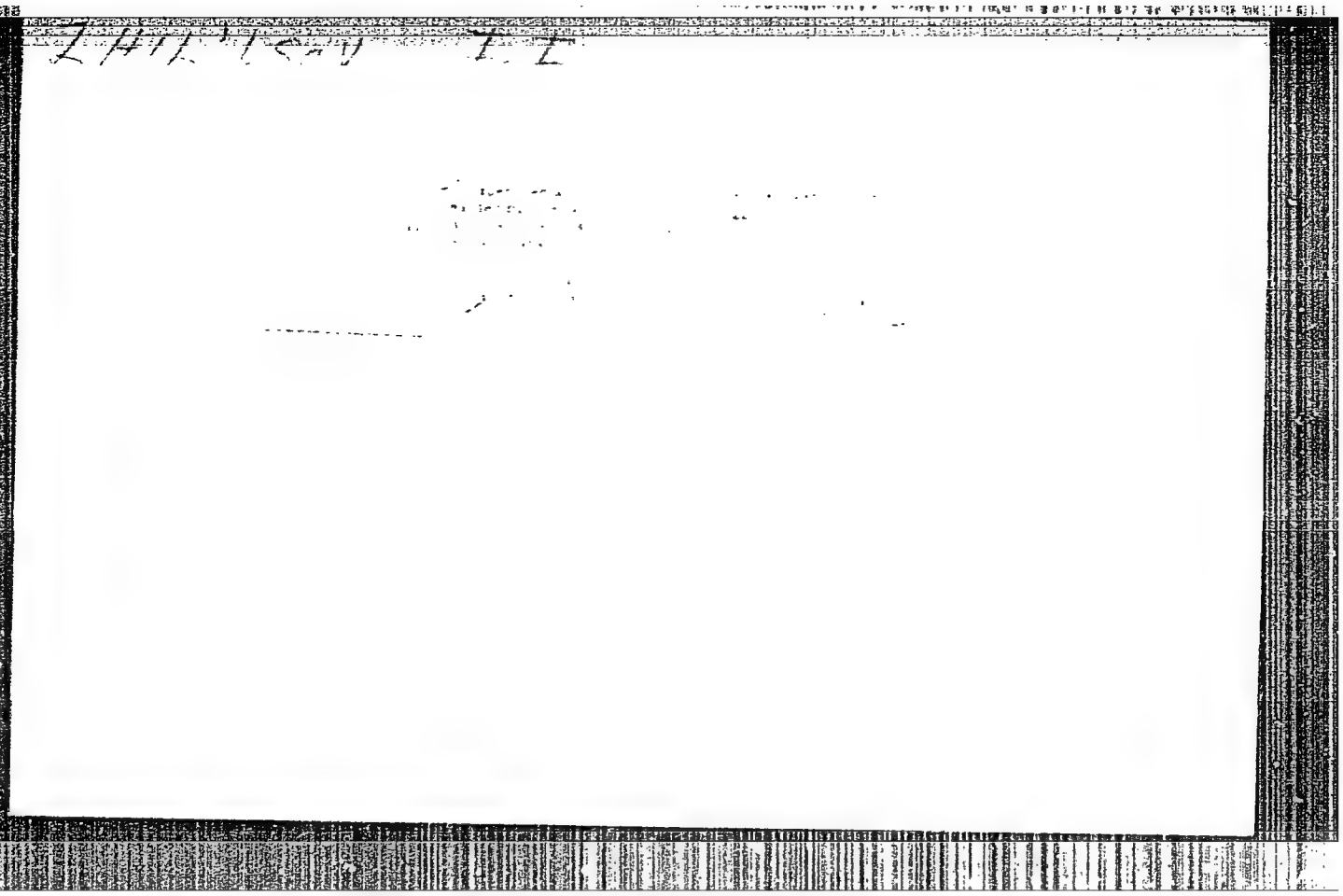
ZHIL'TSOV, L.

Assembling houses of brick blocks. Stroitel' no.3:24-25 Mr '60. (MIRA 13:6)

1. Instruktor peredovykh metodov truda Orgstroya Nauchno-issledovatel'skogo instituta organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Building blocks)

ZADONTSEV, Vladimir Ivanovich; KORSUNENKO, Anatoliy Afanas'yevich; NIKOLAYEV, Boris Nikolayevich; RYKOV, Mikhail Ivanovich; ZHIL'TSOV, I.F., kand. med. nauk, retsenzent; GORSHKOV, G.V., doktor tekhn. nauk, nauchn. red.; KVOCHKINA, G.P., red.; NIKITINA, M.I., red.

[Dosimetry of radioactive gases and aerosols on ships] Dozimetriia radioaktivnykh gazov i aerozolei na sudakh. Leningrad, Sudostroenie, 1965. 202 p. (MIRA 18:4)



S/196/62/000/014/001/046
E194/E155

AUTHOR: Zhil'tsov, I.I.

TITLE: The kinetic theory of electricity

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.14, 1962, 5, abstract 14 A 25. (Materialy nauchn. konferentsiy. Izhevskiy s.-kh. in-t, no.8, 1961, 78-82)

TEXT: The kinetic hypothesis of electricity is considered. The electric charge is a material particle which exists in a condition of active exchange with a surrounding medium of particles of lower order - photons. The most probable velocity of photons relative to the charge during absorption and radiation $c = 3 \times 10^{10}$ cm/sec. This velocity is geometrically additive with the velocity of the charge. The exchange material forms the electric field of the charge. This photon material forms the density not less than $10^{-8} - 10^{-12}$ g/cm^3. Motion of a charge in an electric field and the field of a charge moving in a conductor are considered. A formula is derived for the electromagnetic

Card 1/2

The kinetic theory of electricity

S/196/62/000/014/001/046
E194/E155

force acting on a charge of unit section moving in the field of a current (of the same sign as the charge) in a conductor. This formula includes both the particular and limiting cases of the laws of Biot-Savart, Ampere, Faraday, the Maxwell equations and the Lorentz formula for magnetic force.

[Abstractor's note: Complete translation.]

Card 2/2

ZHIL'TSOV, L., Geroy Sovetskogo Soyuza, kapitan 2 ranga

On an atomic submarine under the ice to the North Pole. Voen. znan. 41 no.7:6-7 Jl '65. (MIRA 18:7)

ZHIL'TSOV, L., Geroy Sovetskogo Soyuza, kapitan 2-go ranga, komandir podvodnoy lodki.

Communists of an atomic ship. Komm.Vooruzh.Sil 3 no.20:38-42 O'62. (MIRA 15:10)

(Atomic submarines)

KIM, Yu.Kh.; LUK'YANOV, I.A.; YAZYDZHAN, I.N., sadovod; SUL'MENEVA, Ye.M., starshiy tekhnik; ZHIL'TSOV, M.I., starshiy master; KUZNETSOVA, P.G., inzh.-tekhnolog; ANISKOV, A.T., pirometrist; BELYAKOV, I.P., kalil'shchik; NAUMOV, M.D., kalil'shchik

Let us create winter gardens in industrial plants with high temperatures. Zdorov'e 6 no.10:32 O '60. (MIRA 13:9)

1. Moskovskiy zavod shlifoval'nykh stankov. 2. Glavnyy metallurg Moskovskogo zavoda shlifoval'nykh stankov (for Kim). 3. Zaveduyushchiy zdravpunktom Moskovskogo zavoda shlifoval'nykh stankov (for Luk'yanov).
(GREENHOUSES)

EYDENZON, Isaak Borisovich; ZHIL'TSOV, Mikhail Semenovich; ZAGORSKIY, G., red.; YAKOVLEVA, Ye., tekhn. red.

[How to convert grain combines for corn harvesting] Kak pereoborudovat' zernovye kombainy dlia uborki kukuruzy. Moskva, Mosk. rabochii, 1961. 30 p. (MIRA 15:7)

1. Glavnyy inzhener Mikhnevskoy Rayonnoy traktornoy stantsii, Moskovskaya oblast' (for Eydenzon). 2. Zaveduyushchiy masterskoy Zvenigorodskoy Lukomeliorativnoy stantsii (for Zhil'tsov).
(Corn (Maize))--Harvesting)
(Combines (Agricultural machinery))

ZHIL'TSOV, N. I.

"Standardization of Attachments and their Parts at the Automobile Plant imeni Stalin", Moscow Automobile Plant imeni Stalin, Stanki i Instrument 10, No. 6, 1939, Engineer.

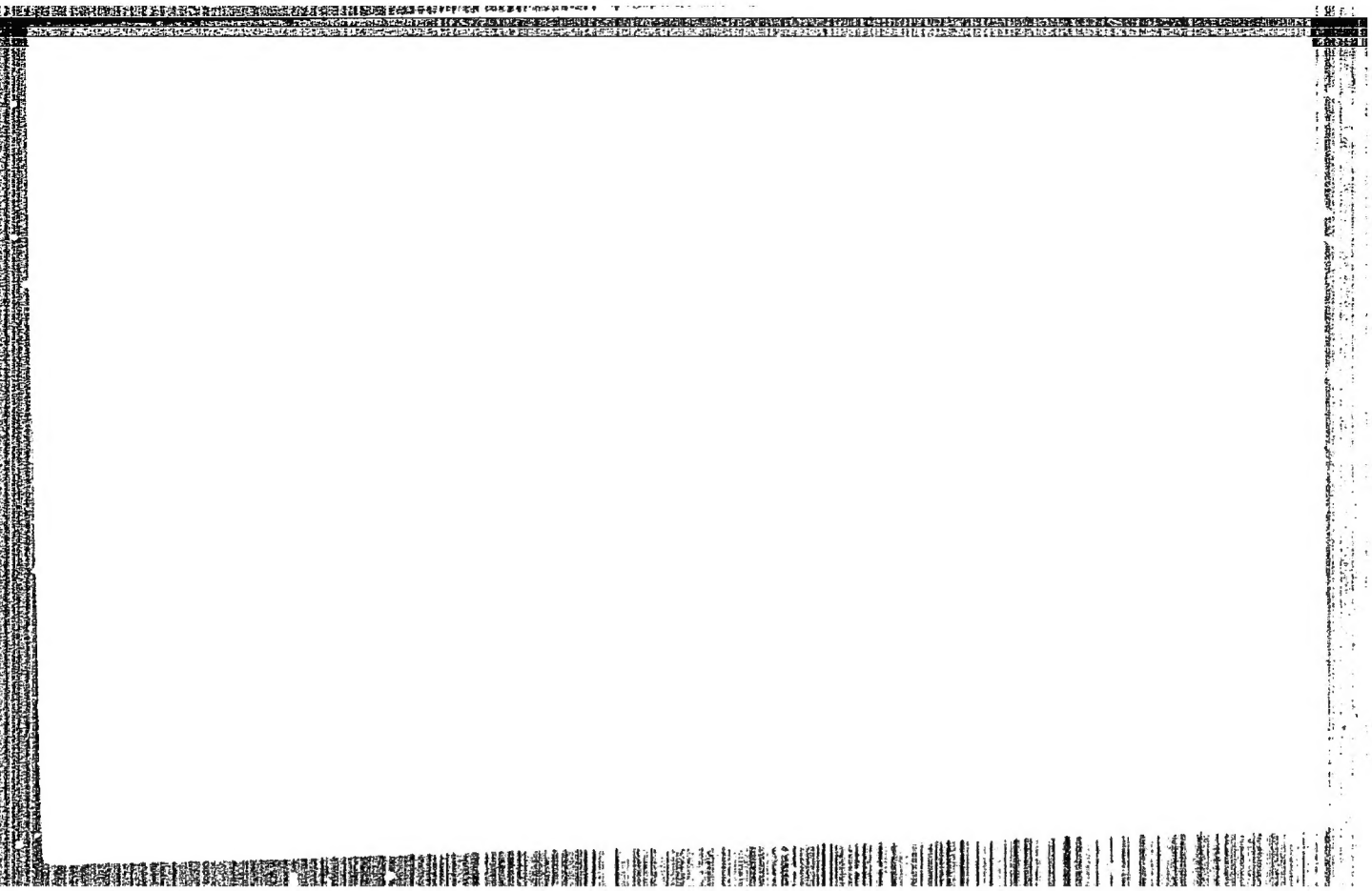
[redacted] Report U-1505, 4 Oct 1951.

ZHIL'TSOV, N.I. — DOMEVKO

BATAKOV, Aleksandr Tikhonovich; ZHIL'TSOV, Nikolay Ivanovich; LEVSHTEYN, Mikhail Iosifovich; MIL'CHIN, A.N., redaktor; ALEKSANDROV, V.I., tekhnicheskiy redaktor; CHICHERIN, A.N., tekhnicheskiy redaktor

[Principles of building printing machinery] Osnovy poligraficheskogo mashinostroeniia. Moskva, Gos.izd-vo "Iskusstvo," 1956. 263 p. (MLRA 9:3)

(Machinery industry) (Printing machinery and supplies)



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810018-1"